Product data sheet
Characteristics

XUB9BNXWM12
Photoelectric sensors XU, photo electric sensor, cylindrical, metal, angled, polarised, Smax 5.5 m, NPN, Connector M12

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Polarised reflex
Material	Metal
Line of sight type	90° lateral
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4 wires
Discrete output type	NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Emission	Red LED polarised reflex
[Sn] nominal sensing distance	4 m polarised reflex need reflector XUZC50

Complementary

Enclosure material	PC/PBT
Lens material	PMMA
Maximum sensing distance	5.5 m polarised reflex
Output type	Discrete
Status LED	1 LED (green) for supply on/stability 1 LED (orange) for output state
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10…30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V (closed state)no-load
Current consumption	< 20 mA no load
Maximum delay first up	100 ms
Maximum delay response	0.5 ms
Maximum delay recovery	0.5 ms
Setting-up	Sensitivity by potentiometer
Diameter	18 mm
Length	55.2 mm
Net weight	0.060 kg

Environment

Product certifications	CE[RETURN]cULus[RETURN]UKCA[RETURN]RoHS
Ambient air temperature for operation	-30…55 °C
Ambient air temperature for storage	-40…70 °C
Relative humidity	35…95 %
Immunity to ambient light	40000 Lux sunlight 10000 lux incandescent light

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Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10…55 Hz)for every axis conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) for for every axis conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050-9

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.8 cm
Package 1 Width	1.6 cm
Package 1 Length	4.4 cm
Package 1 Weight	40 g
Unit Type of Package 2	S02
Number of Units in Package 2	48
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.235 kg
Unit Type of Package 3	P06
Number of Units in Package 3	768
Package 3 Height	70 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	44.26 kg

Offer Sustainability

Take-back	No
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com